

PC-0049 CIP

<110> Goold, Richard D.  
Akerblom, Ingrid E.  
Seilhamer, Jeffrey J.  
Coleman, Roger

<120> TUMOR SUPPRESSOR

<130> PC-0049 CIP

<140> To Be Assigned

<141> Herewith

<160> 21

<170> PERL Program

<210> 1

<211> 373

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: PANC1A

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<221> unsure

<222> 20, 303, 340-341

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<221> unsure

<222> 16, 277, 288, 309

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321

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&lt;211&gt; 5035

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 496071CB1

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&lt;211&gt; 583

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 496071CD1

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 35 40 45  
 Ile Gln Glu Lys Thr Gly Asn Asp Trp Val Pro Val Thr Ile Ile  
 50 55 60  
 Asp Val Arg Gly His Ser Tyr Leu Gln Glu Asn Lys Ile Lys Thr  
 65 70 75  
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Lys Ala Phe Ile	140	Gly Pro Ile Tyr Lys	145	Pro Pro Glu Lys Lys Lys	150
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Arg Asn Glu Gly	170	Arg Asn Glu Ala His	175	Val Leu Asn Gly Ile Asn	180
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Asp Arg Gly Gly	200	Gln Lys Glu Lys Gln	205	Lys Phe Asn Ser Glu Lys	210
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Glu Leu Glu Lys	260	Glu Lys Asp Gly Phe	265	Glu Asn Ser Cys Lys Glu	270
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Ser Glu Pro Ser	290	Gln Glu Gln Phe Val	295	Pro Phe Tyr Glu Gly His	300
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Asn Lys Ala Met	350	Pro Ser His Cys Asp	355	Tyr Gln Gln Asn Leu Gly	360
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Phe Cys Asp Thr	410	Ser Phe Thr Ser Phe	415	Arg Pro Glu Trp Gln Ser	420
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Val Tyr Pro Phe	440	Ile Val Pro Tyr Gly	445	Pro Pro Leu Pro Ser Leu	450
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Asn Tyr His Leu	470	Asn Ile Gln Arg Phe	475	Ser Gly Pro Pro Asn Pro	480
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Pro Ser Asn Ile	500	Phe Gln Ala Gln Asp	505	Asp Ser Gln Ile Gln Asn	510
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Gly Tyr Tyr Val		Asn Asn Cys His Val		Asn Trp Asn Cys Met Thr	
Phe Asp Gln Asn		Asn Glu Tyr Thr Asp		Cys Ser Glu Asn Arg Ser	
Ser Val His Pro		Ser Gly Asn Gly Cys		Ser Met Gln Asp Arg Tyr	
Val Ser Asn Gly		Phe Cys Glu Val Arg		Glu Arg Cys Trp Lys Asp	
His Cys Met Asp		Lys His Asn Gly Thr		Asp Arg Phe Val Asn Gln	
Gln Phe Gln Glu		Glu Lys Leu Asn Lys		Leu Gln Lys Leu Leu Ile	
Leu Leu Arg Gly		Leu Pro Gly Ser Gly		Lys Thr Thr Leu Ser Arg	
Ile Leu Leu Gly		Gln Asn Arg Asp Gly		Ile Val Phe Ser Thr Asp	
Asp Tyr Phe His		His Gln Asp Gly Tyr		Arg Tyr Asn Val Asn Gln	
Leu Gly Asp Ala		His Asp Trp Asn Gln		Asn Arg Ala Lys Gln Ala	
Ile Asp Gln Gly		Arg Ser Pro Val Ile		Ile Asp Asn Thr Asn Ile	
Gln Ala Trp Glu		Met Lys Pro Tyr Val		Glu Val Ala Ile Gly Lys	
Gly Tyr Arg Val		Glu Phe His Glu Pro		Glu Thr Trp Trp Lys Phe	
Asp Pro Glu Glu		Leu Glu Lys Arg Asn		Lys His Gly Val Ser Arg	

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Lys	Lys	Ile	Ala	Gln	Met	Leu	Asp	Arg	Tyr	Glu	Tyr	Gln	Met	Ser
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Ile	Ser	Ile	Val	Met	Asn	Ser	Val	Glu	Pro	Ser	His	Lys	Ser	Thr
				545					550					555
Gln	Arg	Pro	Pro	Pro	Pro	Gln	Gly	Arg	Gln	Arg	Trp	Gly	Gly	Ser
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<213> Homo sapiens

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<222> 20, 303, 340-341  
<223> a, t, c, g, or other

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<223> a, t, c, g, or other

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<210> 7  
<211> 338  
<212> DNA  
<213> Homo sapiens

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PC-0049 CIP

<220>

<221> unsure

<222> 61, 200, 282, 319-320

<223> a, t, c, g, or other

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<211> 252

<212> DNA

<213> Homo sapiens

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<221> unsure

<222> 16, 124-125, 173, 216, 244

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<210> 9

<211> 271

<212> DNA

<213> Homo sapiens

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<221> unsure

<222> 7, 227, 238, 259

<223> a, t, c, g, or other

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<210> 10

<211> 132

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<213> Homo sapiens

PC-0049 CIP

<220>

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<223> Incyte ID No: g533948

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Lys	Arg	Arg	Phe	Tyr	Trp	Glu	Val	Lys	Val	Asn	Ala	Gly	Ser	Lys
			35						40					45
Met	Ser	Tyr	Gly	Glu	Ile	Glu	Gly	Lys	Phe	Leu	Gly	Pro	Arg	Glu
			50						55					60
Glu	His	Asn	His	Ser	Asn	Ala	Asp	Phe	His	Arg	Ile	Gln	Glu	Lys
			65						70					75
Thr	Gly	Asn	Asp	Trp	Val	Pro	Val	Thr	Ile	Ile	Asp	Val	Arg	Gly
			80						85					90
His	Ser	Tyr	Leu	Gln	Glu	Asn	Lys	Ile	Lys	Thr	Thr	Asp	Leu	His
			95						100					105
Arg	Pro	Leu	His	Asp	Glu	Met	Pro	Gly	Asn	Arg	Pro	Asp	Val	Ile
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<210> 11

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: g533948

<400> 11

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<210> 12

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<212> PRT

<213> Homo sapiens

<220>

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<223> Incyte ID No: PANC 1B

<220>

<221> unsure

<222> 5, 44, 75, 101

<223> unknown or other

<400> 12

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PC-0049 CIP

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Glu	Val	Thr	Ser	Glu	Pro	Arg	Cys	Lys	Lys	Leu	Lys	Ser	Thr	Thr
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Glu	Ser	Tyr	Val	Phe	His	Asn	His	Ser	Asn	Ala	Asp	Phe	His	Xaa
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Ile	Gln	Glu	Lys	Thr	Gly	Asn	Asp	Trp	Val	Pro	Val	Thr	Ile	Ile
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<213> Rattus norvegicus

<220>  
<221> misc\_feature  
<223> Incyte ID No: 702456952T1

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ctaattcttc aggggtcaaac ttccaccaag ttccgggttc atgaaactct actctgtatc 360  
cttttcctat ggccatttcc acataggggt tcatctccca ggcttgtgta ttagtgttgt 420  
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tcatgggcat caccaagctg attaacattg tacctgtacc catcttgatg atgaaagtag 540  
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<210> 14  
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<212> DNA  
<213> Rattus norvegicus

<220>  
<221> misc\_feature  
<223> Incyte ID No: 700293754F6

<400> 14  
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gttgacagaaa ttacttattc ttctgcgagg cctccccggg tctggaaaaa caacattgtc 360  
tcgaattctg cttggtcaga gtcgtgatgg catcgtgttc agcactgatg actactttca 420  
tcatcaagat gggtacaggt acaatgttaa tcagcttggg gatgcccatg actggaacca 480  
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tacacaagc 549

<210> 15  
<211> 487  
<212> DNA  
<213> Macaca fascicularis



&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 703193506J1

&lt;400&gt; 15

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tctttcaagt gcaacaacaa atgtgttagc tgaaaatagc taattttaatt attatttgtg 180
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atttgatatt cataacgac caacatctga gcaatcttct ttcgagacac accatgttta 360
ttcctctttt ctaattcttc aggatcaaat ttccaccaag tttcaggttc atgaaactct 420
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ttagtgtt                                     487

```

&lt;210&gt; 16

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Macaca fascicularis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 700705495H1

&lt;400&gt; 16

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ggcaggcagt gcatectttt atagtgtccc atggtcccc tcttcccagt ttgaactatc 60
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aagatgactc tcagatacaa aatggatatt atgtaaataa ttgtcatgtt aactggaatt 180
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atccctctgg aaaggctg                                     258

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&lt;210&gt; 17

&lt;211&gt; 158

&lt;212&gt; DNA

&lt;213&gt; Macaca fascicularis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 703194520J1

&lt;400&gt; 17

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attgcttggt atttaaaaat ctataaaaat gtgaaatt                                     158

```

&lt;210&gt; 18

&lt;211&gt; 632

&lt;212&gt; DNA

&lt;213&gt; Canis familiaris

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 703518548J1

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 481

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 18

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atagtctttt tttaaatttg aaactattta aacttcaaga taggctcact aattcttttc 120
aagggcaagc aacaaacatg ttagctgaaa agagccaatt taatgattat ttgtaacaga 180
gacttgatta tgtgagccta gagagcctcc ccacctctgt ctcccctgtg aaggaggagg 240
tcttggtgct tttgtgtggc ggttccaccg aattcattac aatagagatg gacatttcat 300
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gtcatcaggt gctgaacaca atggccatca cg 632

```

&lt;210&gt; 19

&lt;211&gt; 648

&lt;212&gt; DNA

&lt;213&gt; Canis familiaris

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 703533094J1

&lt;400&gt; 19

```

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tggcggttcc accgaattca ttacaataga gatggacatt tcatattcat aacgatccaa 180
catctgagca atcttctttc gagatacacc atgtttattc ctcttttcta attcttcagg 240
atcaaatttc caccaagttt caggttcatg aaactctact ctgtatcctt ttcctatggc 300
catttccaca tatggtttca tttcccaagc ttgtgtatta gtgttgctta ttataactgg 360
agatctcccc tgattgatag cttgttttgc tgaataaaaa aataaattta aaaaacaaaa 420
acagaaacca gagaactatt agaataacac tatactgaaa taaaacttaa atattcatta 480
ttaacgaaat ttcctatatc tctgtattta aaaccaaacc tatgcaatct cttgagttag 540
tgtcatgaac aaaaaagagg actccactag tattactaga cttaaacaga gacattaaga 600
gacataacca caggttaattg tgtcttctct ggaccagctg ctggtgtt 648

```

&lt;210&gt; 20

&lt;211&gt; 696

&lt;212&gt; DNA

&lt;213&gt; Canis familiaris

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 703523973J1

&lt;400&gt; 20

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cattttttgt agagtaatgt caatagggaa aactttaata ttcaaagacc ttatattaag 180
ccttaggaaa catcagcatt tattactctt agggaaatag cttgggggaa tatataacag 240
tatgaagagt tctttgaatt tattcatgag gtataaaata aaggctatca aaatatccta 300
ctcctctatt ttatcagctt atattggtac actatttaca gtttacaaaa tatactatt 360
taaattctct aatttgtcaa taacctata aagtaaagca agtgtaactt ctgatgaaaa 420
aattgggtct caaagctatt tcaatggcct gccaaagtca ttcagctggt aaaagttaag 480
tcaagaataa aaactcaagt cttctgactc ctagtcaaat acaccatccc agagacttgg 540
ccaaaaaac tctgttctgg ttcagtcac gggcatcacc aagttgatta acatatatac 600
ctgtacccat cttggtggtg aaaatagtc ctagtgtgaa cacaatggca tcacgactct 660
gacaaagcag aattcgagac aagttgtttt ccagaa 696

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&lt;210&gt; 21

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<211> 254

<212> DNA

<213> Mus muscularis

<220>

<221> misc\_feature

<223> Incyte ID No: 700120347H1

<400> 21

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agtggtttca agaggagaaa ttataataat tgcagaaatt gcttattctt ttgcgaggcc 180
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tcgtgttcag cact                                     254
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09924634-080701